



Certificate of Analysis

Number: 2500-22090160-009A

Greeley Laboratory

2881 S. 31st Ave

Unit 6-8

Greeley, CO 80631

Tony Walton
Civitas Resources
4301 Industrial Parkway
Evans, CO 80620

Sep. 29, 2022

Station Name: NPF A-E-22 HC GPM
Station Number: 68003987
Station Location: NPF K-22 Pad
Sample Point: Meter Tube Run
Analyzed: 09/29/2022 10:12:26 by RHJ

Sampled By: Russ Fox
Sample Of: Gas Spot
Sample Date: 09/13/2022 09:00
Sample Conditions: 109.39 psig, @ 72.47 °F
Method: GPA-2261M
Cylinder No: 920

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 7.504	
Nitrogen	0.4246	0.515	GPM TOTAL C3+ 3.583	
Carbon Dioxide	2.4053	4.586	GPM TOTAL iC5+ 0.547	
Methane	70.6789	49.126		
Ethane	14.6021	19.023	3.921	
Propane	7.4352	14.205	2.057	
Iso-butane	0.8277	2.084	0.272	
n-Butane	2.2323	5.621	0.707	
Iso-pentane	0.3902	1.220	0.143	
n-Pentane	0.4738	1.481	0.172	
Hexanes Plus	0.5298	2.139	0.232	
	100.0000	100.000	7.504	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8001	3.2176
Calculated Molecular Weight	23.08	93.19
Compressibility Factor	0.9957	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1330	5141
Water Sat. Gas Base BTU	1307	5052

Comments: H2S Field Content 1.00 ppm

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.